



-0261-2 DIV

<110> HILLMAN, Jennifer L.
GOLI, Surya K.

<120> CALCIUM-BINDING PROTEIN

<130> PF-0261-2 DIV

<140> US 09/768,840

<141> 2001-01-23

<150> US 09/206,499

<151> 1998-12-07

<150> US 08/828,242

<151> 1997-03-31

<160> 6

<170> PERL Program

<210> 1

<211> 328

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 2509570CD1

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Met Met Trp Arg Pro Ser Val Leu Leu Leu Leu Leu Leu Arg
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20 25 30
Gln Gly Arg Val His Gln Ala Ala Pro Leu Ser Asp Ala Pro His
35 40 45
Asp Asp Ala His Gly Asn Phe Gln Tyr Asp His Glu Ala Phe Leu
50 55 60
Gly Arg Glu Val Ala Lys Glu Phe Asp Gln Leu Thr Pro Glu Glu
65 70 75
Ser Gln Ala Arg Leu Gly Arg Ile Val Asp Arg Met Asp Arg Ala
80 85 90
Gly Asp Gly Asp Gly Trp Val Ser Leu Ala Glu Leu Arg Ala Trp
95 100 105
Ile Ala His Thr Gln Gln Arg His Ile Arg Asp Ser Val Ser Ala
110 115 120
Ala Trp Asp Thr Tyr Asp Thr Asp Arg Asp Gly Arg Val Gly Trp
125 130 135
Glu Glu Leu Arg Asn Ala Thr Tyr Gly His Tyr Ala Pro Gly Glu
140 145 150
Glu Phe His Asp Val Glu Asp Ala Glu Thr Tyr Lys Lys Met Leu
155 160 165
Ala Arg Asp Glu Arg Arg Phe Arg Val Ala Asp Gln Asp Gly Asp
170 175 180
Ser Met Ala Thr Arg Glu Glu Leu Thr Ala Phe Leu His Pro Glu
185 190 195
Glu Phe Pro His Met Arg Asp Ile Val Ile Ala Glu Thr Leu Glu
200 205 210
Asp Leu Asp Arg Asn Lys Asp Gly Tyr Val Gln Val Glu Glu Tyr
215 220 225
Ile Ala Asp Leu Tyr Ser Ala Glu Pro Gly Glu Glu Glu Pro Ala
230 235 240

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Trp	Val	Gln	Thr	Glu	Arg	Gln	Gln	Phe	Arg	Asp	Phe	Arg	Asp	Leu
				245					250					255
Asn	Lys	Asp	Gly	His	Leu	Asp	Gly	Ser	Glu	Val	Gly	His	Trp	Val
				260					265					270
Leu	Pro	Pro	Ala	Gln	Asp	Gln	Pro	Leu	Val	Glu	Ala	Asn	His	Leu
				275					280					285
Leu	His	Glu	Ser	Asp	Thr	Asp	Lys	Asp	Gly	Arg	Leu	Ser	Lys	Ala
				290					295					300
Glu	Ile	Leu	Gly	Asn	Trp	Asn	Met	Phe	Val	Gly	Ser	Gln	Ala	Thr
				305					310					315
Asn	Tyr	Gly	Glu	Asp	Leu	Thr	Arg	His	His	Asp	Glu	Leu		
				320					325					

<210> 2

<211> 1055

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2509570CB1

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<221> unsure

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<223> a, t, c, g, or other

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ggccagggga ggggtgcacca ggcggcccc ctgagcgacg ctccccatga tgacgcccac 180
gggaacttcc agtacgacca tgaggcttcc ctgggacggg aagtggccaa ggaattcgac 240
caactcacc cagaggaaag ccaggcccggt ctggggcgga tcgtggaccg catggaccgc 300
gcgggggacg gcgacggctg ggtgtcgctg gccgagcttc gcgcgtggat cgcgcacacg 360
cagcagcggc acatacgga ctccgtgagc gcggcctggg acacgtacga cacggaccgc 420
gacgggctg tgggttgga ggagctgcgc aacgccacct atggccacta cgcgcccggt 480
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gacacggaca aggatgggag gctgagcaaa gcggaaatcc tgggtaattg gaacatgttt 960
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<212> PRT

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<223> GenBank ID No: g1262329

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Leu	Leu	Leu	Ala	Leu	Val	Leu	Ala	Pro	Arg	Val	Leu	Arg	Ala	Lys
				20					25					30

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Pro	Thr	Val	Arg	Lys	Glu	Arg	Val	Val	Arg	Pro	Asp	Ser	Glu	Leu	
				35					40					45	
Gly	Glu	Arg	Pro	Pro	Glu	Asp	Asn	Gln	Ser	Phe	Gln	Tyr	Asp	His	
				50					55					60	
Glu	Ala	Phe	Leu	Gly	Lys	Glu	Asp	Ser	Lys	Thr	Phe	Asp	Gln	Leu	
				65					70					75	
Thr	Pro	Asp	Glu	Ser	Lys	Glu	Arg	Leu	Gly	Lys	Ile	Val	Asp	Arg	
				80					85					90	
Ile	Asp	Asn	Asp	Gly	Asp	Gly	Phe	Val	Thr	Thr	Glu	Glu	Leu	Lys	
				95					100					105	
Thr	Trp	Ile	Lys	Arg	Val	Gln	Lys	Arg	Tyr	Ile	Phe	Asp	Asn	Val	
				110					115					120	
Ala	Lys	Val	Trp	Lys	Asp	Tyr	Asp	Arg	Asp	Lys	Asp	Asp	Lys	Ile	
				125					130					135	
Ser	Trp	Glu	Glu	Tyr	Lys	Gln	Ala	Thr	Tyr	Gly	Tyr	Tyr	Leu	Gly	
				140					145					150	
Asn	Pro	Ala	Glu	Phe	His	Asp	Ser	Ser	Asp	His	His	Thr	Phe	Lys	
				155					160					165	
Lys	Met	Leu	Pro	Arg	Asp	Glu	Arg	Arg	Phe	Lys	Ala	Ala	Asp	Leu	
				170					175					180	
Asn	Gly	Asp	Leu	Thr	Ala	Thr	Arg	Glu	Glu	Phe	Thr	Ala	Phe	Leu	
				185					190					195	
His	Pro	Glu	Glu	Phe	Glu	His	Met	Lys	Glu	Ile	Val	Val	Leu	Glu	
				200					205					210	
Thr	Leu	Glu	Asp	Ile	Asp	Lys	Asn	Gly	Asp	Gly	Phe	Val	Asp	Gln	
				215					220					225	
Asp	Glu	Tyr	Ile	Ala	Asp	Met	Phe	Ser	His	Glu	Glu	Asn	Gly	Pro	
				230					235					240	
Glu	Pro	Asp	Trp	Val	Leu	Ser	Glu	Arg	Glu	Gln	Phe	Asn	Glu	Phe	
				245					250					255	
Arg	Asp	Leu	Asn	Lys	Asp	Gly	Lys	Leu	Asp	Lys	Asp	Glu	Ile	Arg	
				260					265					270	
His	Trp	Ile	Leu	Pro	Gln	Asp	Tyr	Asp	His	Ala	Gln	Ala	Glu	Ala	
				275					280					285	
Arg	His	Leu	Val	Tyr	Glu	Ser	Asp	Lys	Asn	Lys	Asp	Glu	Lys	Leu	
				290					295					300	
Thr	Lys	Glu	Glu	Ile	Leu	Glu	Asn	Trp	Asn	Met	Phe	Val	Gly	Ser	
				305					310					315	
Gln	Ala	Thr	Asn	Tyr	Gly	Glu	Asp	Leu	Thr	Lys	Asn	His	Asp	Glu	
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Leu															

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Ala	Leu	Val	Leu	Ala	Leu	Arg	Ala	Lys	Pro	Thr	Val	Arg	Lys	Glu	
				20					25					30	
Arg	Val	Val	Arg	Pro	Asp	Ser	Glu	Leu	Gly	Glu	Arg	Pro	Pro	Glu	
				35					40					45	
Asp	Asn	Gln	Ser	Phe	Gln	Tyr	Asp	His	Glu	Ala	Phe	Leu	Gly	Lys	
				50					55					60	

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Glu	Asp	Ser	Lys	Thr	Phe	Asp	Gln	Leu	Ser	Pro	Asp	Glu	Ser	Lys	
				65					70					75	
Glu	Arg	Leu	Gly	Lys	Ile	Val	Asp	Arg	Ile	Asp	Ser	Asp	Gly	Asp	
				80					85					90	
Gly	Leu	Val	Thr	Thr	Glu	Glu	Leu	Lys	Leu	Trp	Ile	Lys	Arg	Val	
				95					100					105	
Gln	Lys	Arg	Tyr	Ile	Tyr	Asp	Asn	Val	Ala	Lys	Val	Trp	Lys	Asp	
				110					115					120	
Tyr	Asp	Arg	Asp	Lys	Asp	Glu	Lys	Ile	Ser	Trp	Glu	Glu	Tyr	Lys	
				125					130					135	
Gln	Ala	Thr	Tyr	Gly	Tyr	Tyr	Leu	Gly	Asn	Pro	Ala	Glu	Phe	His	
				140					145					150	
Asp	Ser	Ser	Asp	His	His	Thr	Phe	Lys	Lys	Met	Leu	Pro	Arg	Asp	
				155					160					165	
Glu	Arg	Arg	Phe	Lys	Ala	Ser	Asp	Leu	Asp	Gly	Asp	Leu	Thr	Ala	
				170					175					180	
Thr	Arg	Glu	Glu	Phe	Thr	Ala	Phe	Leu	His	Pro	Glu	Glu	Phe	Glu	
				185					190					195	
His	Met	Lys	Glu	Ile	Val	Val	Leu	Glu	Thr	Leu	Glu	Asp	Ile	Asp	
				200					205					210	
Lys	Asn	Gly	Asp	Gly	Phe	Val	Asp	Gln	Asp	Glu	Tyr	Ile	Ala	Asp	
				215					220					225	
Met	Phe	Ser	His	Glu	Asp	Asn	Gly	Pro	Glu	Pro	Asp	Trp	Val	Leu	
				230					235					240	
Ser	Glu	Arg	Glu	Gln	Phe	Asn	Asp	Phe	Arg	Asp	Leu	Asn	Lys	Asp	
				245					250					255	
Gly	Lys	Leu	Asp	Lys	Asp	Glu	Ile	Arg	His	Trp	Ile	Leu	Pro	Gln	
				260					265					270	
Asp	Tyr	Asp	His	Ala	Gln	Ala	Glu	Ala	Arg	His	Leu	Val	Tyr	Glu	
				275					280					285	
Ser	Asp	Lys	Asn	Lys	Asp	Glu	Met	Leu	Thr	Lys	Glu	Glu	Ile	Leu	
				290					295					300	
Asp	Asn	Trp	Asn	Met	Phe	Val	Gly	Ser	Gln	Ala	Thr	Asn	Tyr	Gly	
				305					310					315	
Glu	Asp	Leu	Thr	Lys	Asn	His	Asp	Glu	Leu						
				320					325						

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His Asp Glu Leu

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